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	Nota di contenuto	SPECTRAL LOGIC AND ITS APPLICATIONS FOR THE DESIGN OF DIGITAL DEVICES; CONTENTS; PREFACE; ACKNOWLEDGMENTS; LIST OF FIGURES; LIST OF TABLES; ACRONYMS; 1. LOGIC FUNCTIONS; 1.1 Discrete Functions; 1.2 Tabular Representations of Discrete Functions; 1.3 Functional Expressions; 1.4 Decision Diagrams for Discrete Functions; 1.4.1 Decision Trees; 1.4.2 Decision Diagrams; 1.4.3 Decision Diagrams for Multiple-Valued Functions; 1.5 Spectral Representations of Logic Functions; 1.6 Fixed-polarity Reed-Muller Expressions of Logic Functions; 1.7 Kronecker Expressions of Logic Functions 1.8 Circuit Implementation of Logic Functions2. SPECTRAL TRANSFORMS FOR LOGIC FUNCTIONS; 2.1 Algebraic Structures for Spectral Transforms; 2.2 Fourier Series; 2.3 Bases for Systems of

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Sommario/riassunto	Spectral techniques facilitate the design and testingof today's increasingly complex digital devicesThere is heightened interest in spectral techniques for the design of digital devices dictated by ever increasing demands on technology that often cannot be met by classical approaches. Spectral methods provide a uniform and consistent theoretic environment for recent achievements in this area, which appear divergent in many other approaches. Spectral Logic and Its Applications for the Design of Digital Devices gives readers a foundation for further exploration of abstract harmon